Product Research Report: Siemens 3VW9724-0WF0 Motor Operator

1. Product Name

Siemens 3VW9724-0WF0 Motor Operator for 3VA MCCB

2. SEO Keywords

- Siemens 3VW9724-0WF0 motor operator
- Siemens 3VA MCCB motorized operator
- Siemens 3VW9724 remote on off MCCB
- 3VW9724-0WF0 specifications datasheet
- Siemens circuit breaker motor operator 24V DC
- Siemens 3VA accessory motor drive
- 3VW9724-0WF0 110-130V AC/DC
- Siemens MCCB remote control motor operator

3. Category

Circuit Breaker -> [new] Siemens Circuit Breaker -> Siemens 3VA Series Accessories

4. Product Introduction

Series#: Circuit Breaker -> [new] Siemens Circuit Breaker -> Siemens 3VA Series Accessories
- Siemens 3VW9724-0WF0 Motor Operator for 3VA MCCB
- We have large inventory for Siemens 3VA MCCB accessories, motor operators and related accessories.
- 100% Original and new, In stock by Eaton Company.
- Delivery time: Ready in stock and 1 days for ship out
- MOQ: 1pcs

5. Brand & Model

model：3VW9724-0WF0
brand：Siemens

6. Service & Applications

The Siemens 3VW9724-0WF0 is a Motor Operator (Motorized Remote Operating Mechanism) designed for Siemens 3VA series Molded Case Circuit Breakers (MCCBs). This device enables remote electrical opening and closing of the circuit breaker, making it ideal for automated power distribution systems and applications where manual operation is inconvenient or unsafe. The motor operator charges the spring-closing mechanism via an electric motor when control voltage is applied. It is compatible with 3VA1, 3VA2, and 3VA5 series MCCBs, specifically supporting Frame sizes L (100A–160A) and N (250A). The device features universal voltage input (24V DC to 240V AC/DC depending on specific suffix variant), with operating time of approximately 150–250 ms after the spring is charged. The motor operator mounts on the right side of the 3VA MCCB and includes auxiliary contacts for indicating "Ready to Close" and "Motor Running" status. Typical applications include remote panel boards, automated switching systems, generator changeover panels, and industrial power distribution systems requiring remote control capability. Note: For breaker ON/OFF status feedback, a separate auxiliary switch (OF) or alarm contact (SD) must be added as the motor operator does not inherently communicate main contact position.

7. Specifications Table

Feature	Specification
Order Number	3VW9724-0WF0
Product Type	Motor Operator (MO) / Motorized Remote Operating Mechanism
Function	Remote electrical opening and closing of MCCB
Compatible MCCB Series	Siemens 3VA1, 3VA2, 3VA5
Compatible Frame Sizes	Frame L (100A–160A), Frame N (250A)
Rated Control Voltage (Us)	24 V DC to 240 V AC/DC (universal voltage range, verify specific suffix)
Frequency	50/60 Hz (AC) or DC
Operating Voltage Range	0.85 to 1.1 × Us (tolerant to voltage fluctuations)
Motor Charging Time	Approx. 1.5 to 3 seconds
Closing Operating Time	Approx. 150–250 ms (after spring charged)
Mounting Position	Right side of the 3VA MCCB
Width (approx.)	52 mm (adds to panel cutout width)
Height (approx.)	Matches breaker frame height (130–165 mm)
Depth (adds, approx.)	60–70 mm (protrudes behind breaker)
Mechanical Endurance	High (designed for frequent remote operation)
Manual Override	Yes (hand-crank or lever for manual spring charging)
Degree of Protection	IP40 (front face when mounted)
Indicator Contacts	Yes (Ready to Close, Motor Running)
Electrical Endurance	High cycling capability
Connection Terminals	Control voltage terminals on top/side of unit
Standards Compliance	IEC 60947-2 / IEC 60947-4
Operating Temperature	-25°C to +70°C (typical for 3VA accessories)
Storage Temperature	-40°C to +85°C

8. FAQ

Q: What does the Siemens 3VW9724-0WF0 do?
The 3VW9724-0WF0 is a Motor Operator that enables remote electrical opening and closing of Siemens 3VA series MCCBs. It charges the spring mechanism via an electric motor when control voltage is applied.

Q: Which Siemens circuit breaker series is this motor operator compatible with?
It is compatible with Siemens 3VA1, 3VA2, and 3VA5 series MCCBs, specifically for Frame sizes L (100A–160A) and N (250A). It does not fit Frame S (400A–630A) or Frame M (800A).

Q: What control voltage does the 3VW9724-0WF0 require?
The 3VW9724 series is a universal voltage device accepting 24V DC to 240V AC/DC. The specific suffix (e.g., 0WF0) indicates the voltage variant. Always verify the exact voltage rating on the device label.

Q: How long does it take for the motor operator to close the breaker?
The motor charging time is approximately 1.5 to 3 seconds. Once charged, the closing operation takes approximately 150–250 ms.

Q: Does the motor operator provide feedback on the breaker's ON/OFF status?
No, the motor operator indicates spring charging status ("Ready to Close" / "Motor Running") but does not indicate the main contact position. You must add a separate auxiliary switch (OF) or alarm contact (SD) for breaker ON/OFF status feedback.

Q: Can I manually operate the breaker if the motor operator loses power?
Yes, the motor operator includes a manual override (hand-crank or lever) that allows manual spring charging and operation when control power is lost.

Q: Where is the motor operator mounted on the circuit breaker?
It mounts on the right side of the 3VA MCCB. This increases the overall width of the assembly by approximately 52 mm and adds 60–70 mm of depth behind the breaker.

Q: What applications is the 3VW9724-0WF0 typically used for?
Typical applications include remote panel boards, automated switching systems, generator changeover (AMF) panels, and industrial power distribution systems where remote operation of the MCCB is required.